

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	320534	(dust\$3 or artifact\$3 or scratch\$3 or nois\$3 or distort\$3 or saturat\$6 or defect\$6 or spot\$3)same(correct\$4 or adjust\$4 or filter\$3 or remov\$5 or eliminat\$4 or enhanc\$6)same(select\$4 or extract\$4 or cut\$4 or captur\$3 or scan\$4 or read\$3 or detect\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:45
L2	63865	1 same(camera\$2 or len\$2 or optical\$3 or sensor\$2)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:46
L3	15237	2 same(memor\$4 or stor\$4 or record\$4 or databas\$3)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:46
L4	6003	3 same(segment\$6 or divid\$4 or partition\$4 or partial\$4 or portion\$3 or region\$3 or block\$4 or sampl\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:46
L5	2838	4 same(compar\$6 or correlat\$4 or match\$3 or contrast\$3 or similar\$3 or differen\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:30
L6	3045	4 same(compar\$6 or correlat\$4 or match\$3 or contrast\$3 or similar\$3 or differen\$4 or associat\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:47
L7	1316	6 same(probabl\$3 or estimat\$4 or calculat\$4 or comput\$4 or measur\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:42
L8	1328	6 same(probabl\$3 or estimat\$4 or calculat\$4 or comput\$4 or measur\$4 or statistic\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:47
L9	485	8 same(digit\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:48
L10	84	9 same(auto\$6)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:48
L11	49106	(imag\$3) same(dust\$3 or artifact\$3 or scratch\$3 or nois\$3 or distort\$3 or saturat\$6 or defect\$6 or spot\$3)same(correct\$4 or adjust\$4 or filter\$3 or remov\$5 or eliminat\$4 or enhanc\$6)same(select\$4 or extract\$4 or cut\$4 or captur\$3 or scan\$4 or read\$3 or detect\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:45
L12	21592	11 same(camera\$2 or len\$2 or optical\$3 or sensor\$2)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:46
L13	5944	12 same(memor\$4 or stor\$4 or record\$4 or databas\$3)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:46
L14	2440	13 same(segment\$6 or divid\$4 or partition\$4 or partial\$4 or portion\$3 or region\$3 or block\$4 or sampl\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:46

## EAST Search History

L15	1208	14 same(compar\$6 or correlat\$4 or match\$3 or contrast\$3 or similar\$3 or differen\$4 or associat\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:47
L16	530	15 same(probabl\$3 or estimat\$4 or calculat\$4 or comput\$4 or measur\$4 or statistic\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:47
L17	256	16 same(digit\$4)	US-PGPUB; USPAT	OR	ON	2007/02/02 11:48
L18	62	17 same(auto\$6)	US-PGPUB; USPAT	OR	ON	2007/02/02 14:15
L19	1	"6608914".PN.	USPAT; USOCR	OR	ON	2007/02/02 12:50
L20	1	"6608914".PN.	USPAT; USOCR	OR	ON	2007/02/02 12:51
L21	1	"6230126".PN.	USPAT; USOCR	OR	ON	2007/02/02 12:52
L22	1	"6597817".PN.	USPAT; USOCR	OR	ON	2007/02/02 12:53
L23	1	"6332033".PN.	USPAT; USOCR	OR	ON	2007/02/02 12:53
L24	1	"6654018".PN.	USPAT; USOCR	OR	ON	2007/02/02 13:17
L25	1	"6611613".PN.	USPAT; USOCR	OR	ON	2007/02/02 13:17
L26	1	"6054999".PN.	USPAT; USOCR	OR	ON	2007/02/02 13:18
L27	1	"5933151".PN.	USPAT; USOCR	OR	ON	2007/02/02 13:18
L28	14	((("5065257") or ("5214470") or ("5416516") or ("5436979") or ("5625413") or ("5969372") or ("5974194") or ("6035072") or ("6125213") or ("6233364") or ("6266054") or ("6465801") or ("6487321") or ("6035072") or ("6792161"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/02 14:15
L29	1	"6320679".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:15
L30	1	"6292269".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:15
L31	1	"6035072".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:15
L32	1	"5982948".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:15
L33	1	"5499114".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:16

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L34	1	"6628711".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:31
L35	1	"6580812".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:31
L36	1	"6545719".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:31
L37	1	"6269484".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:31
L38	1	"6252975".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:31
L39	1	"6628711".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:32
L40	1	"6424372".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:32
L41	1	"6342918".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:32
L42	1	"5926212".PN.	USPAT; USOCR	OR	ON	2007/02/02 15:32



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**Key:** IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, II CNF = IEE Conference, IEEE STD = IEEE Standard

1. **Noise-adaptive spatio-temporal filter for real-time noise removal in low light level images**  
Seong-Won Lee; Vivek Maik; Jihoon Jang; Jeongho Shin; Joonki Paik;  
Consumer Electronics, IEEE Transactions on  
Volume 51, Issue 2, May 2005 Page(s):648 - 653  
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2. **An adaptive order-statistic noise filter for gamma-corrected image sequences**  
Kleihorst, R.P.; Lagendijk, R.L.; Biemond, J.;  
Image Processing, IEEE Transactions on  
Volume 6, Issue 10, Oct. 1997 Page(s):1442 - 1446  
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3. **Block-based noise estimation using adaptive Gaussian filtering**  
Dong-Hyuk Shin; Rae-Hong Park; Seungjoon Yang; Jae-Han Jung;  
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Volume 51, Issue 1, Feb. 2005 Page(s):218 - 226  
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4. **Nonlinear distortion correction in endoscopic video images**  
Chao Zhang; Helferty, J.P.; McLennan, G.; Higgins, W.E.;  
Image Processing, 2000. Proceedings. 2000 International Conference on  
Volume 2, 10-13 Sept. 2000 Page(s):439 - 442 vol.2  
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5. **Multistage bilateral noise filtering and edge detection for color image enhancement**  
Wen-Chung Kao; Ying-Ju Chen;  
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6. **Videoendoscopic distortion correction and its application to virtual guidance of endoscopy**  
Helferty, J.P.; Chao Zhang; McLennan, G.; Higgins, W.E.;  
Medical Imaging, IEEE Transactions on  
Volume 20, Issue 7, July 2001 Page(s):605 - 617  
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7. **A new approach for nonlinear distortion correction in endoscopic images based on least squares estimation**  
Vijayan Asari, K.; Kumar, S.; Radhakrishnan, D.;  
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8. **RDS and IRDS filters for high-speed CCD video sensors**  
Jung, M.; Reibel, Y.; Cunin, B.; Draman, C.;  
Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on [see also Circuits and System II: Express Briefs, IEEE Transactions on]  
Volume 47, Issue 9, Sept. 2000 Page(s):958 - 965  
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9. **An evaluation of the effect of filtering in 3-D OSEM reconstruction by using data from a high-resolution PET scanner**  
Baghaei, H.; Uribe, J.; Hongdi Li; Yu Wang; Aykac, M.; Yaqiang Liu; Tao Xing; Wai-Hoi Wong;  
Nuclear Science, IEEE Transactions on  
Volume 49, Issue 5, Oct. 2002 Page(s):2381 - 2386  
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10. **A pipelined architecture for real-time correction of barrel distortion in wide-angle camera images**  
Ngo, H.T.; Asari, V.K.;  
Circuits and Systems for Video Technology, IEEE Transactions on  
Volume 15, Issue 3, March 2005 Page(s):436 - 444  
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11. **Evaluation of the 3D IMF-OSEM algorithm by using data from a high resolution PET scanner**  
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Volume 3, 4-10 Nov. 2001 Page(s):1791 - 1795 vol.3  
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12. **Image Enhancement Based on Noise Estimation**  
Fabrizio Russo;  
Instrumentation and Measurement Technology Conference, 2006. IMTC 2006. Proceedings of The 23rd IEEE  
2006 Page(s):376 - 381  
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13. **Block-based noise estimation using adaptive Gaussian filtering**  
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14. **Segmentation-based adaptive spatio-temporal filtering for noise canceling and MPEG pre-processing**  
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15. **Efficient block-based coding of noise images by combining pre-filtering and DCT**  
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16. **New digital processor for SPECT camera-correction of multiple-energy photon spatial distortion**  
Jiang, J.; Htun, M.; Kline, B.; Lim, C.; Rappoport, V.;  
Nuclear Science Symposium and Medical Imaging Conference Record, 1995., 1995 IEEE  
Volume 2, 21-28 Oct. 1995 Page(s):1084 - 1086 vol.2  
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17. **A simplified method of endoscopic image distortion correction based on grey level registration**  
Miranda-Luna, R.; Blondel, W.C.P.M.; Daul, C.; Hernandez-Mier, Y.; Posada, R.; Wolf, D.;  
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18. **Improved method for blocking-artifact reduction in block coded images in wavelet-transform domain**

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Kleihorst, R.P.; Lagendijk, R.L.; Biemond, J.;  
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**21. Joint demosaicing and denoising**

Hirakawa, K.; Parks, T.W.;  
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**22. Adaptive motion-compensated filtering of noisy image sequences**

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**23. New autofocusing technique using the frequency selective weighted median filter for video cameras**

Kang-Sun Choi; Jun-Suk Lee; Sung-Jae Ko;  
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**24. Hybrid mean adaptive center weighted median filter for color sensor denoising**

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**25. Study on the effect of object to camera distance on polynomial expansion coefficients in barrel distortion correction**

Tian, H.; Srikanthan, T.; Asari, K.V.; Lam, S.K.;  
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